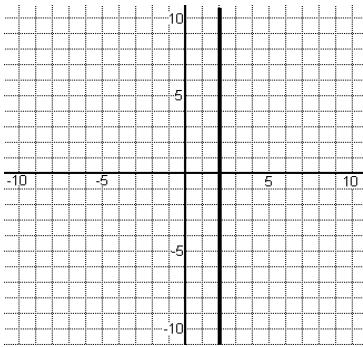


# Matching graphs and equations

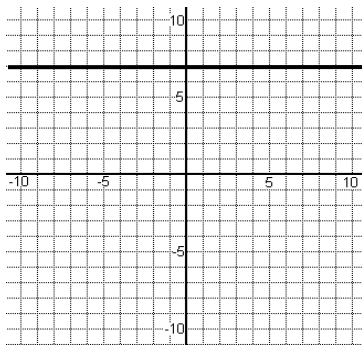
Match the equations below to the correct graphs. Remember to look for the **gradient** and **y-intercept**.

1.



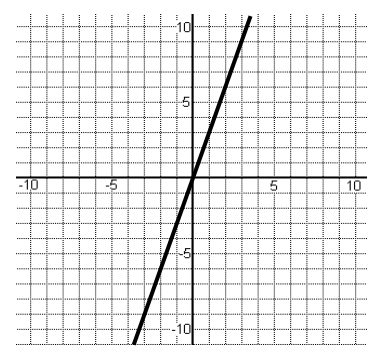
.....

2.



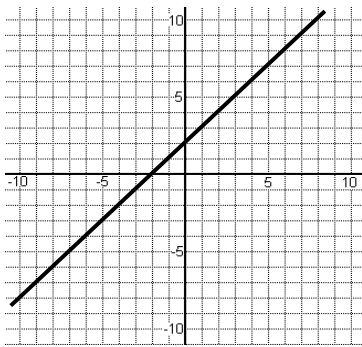
.....

3.



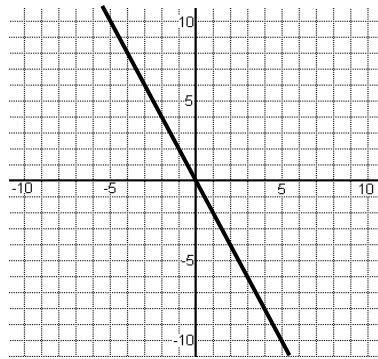
.....

4.



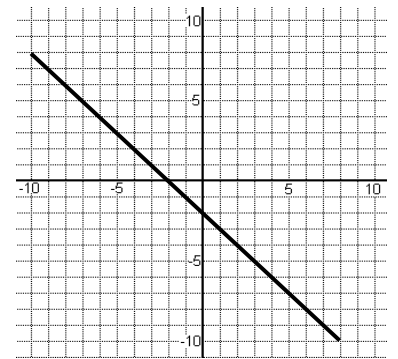
.....

5.



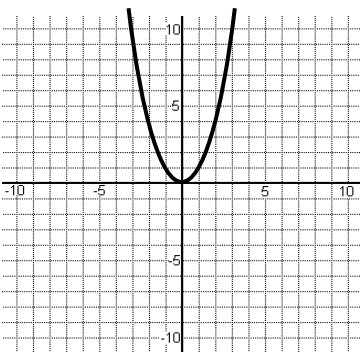
.....

6.



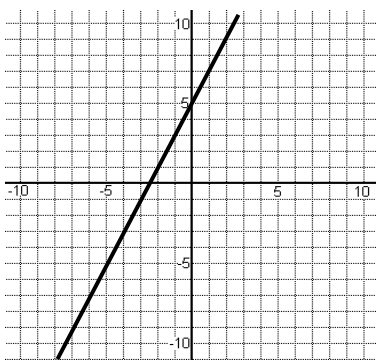
.....

7.



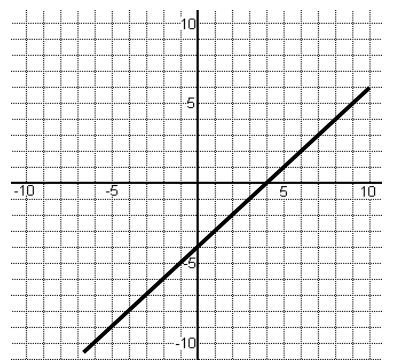
.....

8.



.....

9.

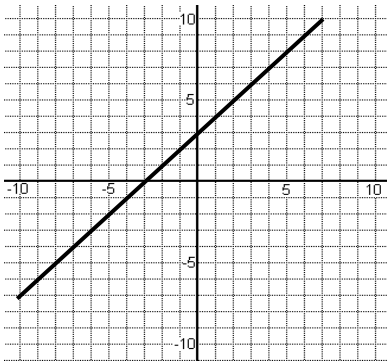


.....

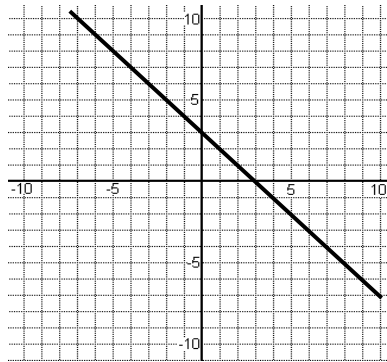
$y = x + 2$	$y = x - 4$	$y = 3x$	$y = -2x$	$y = \frac{1}{2}x$	$y = 2x + 5$
$y = 2x - 5$	$y = -x + 3$	$y = -x - 2$	$y = 7$	$x = 2$	$y = x^2$

Match the equations below to the correct graphs. Remember to look for the **gradient** and **y-intercept**.

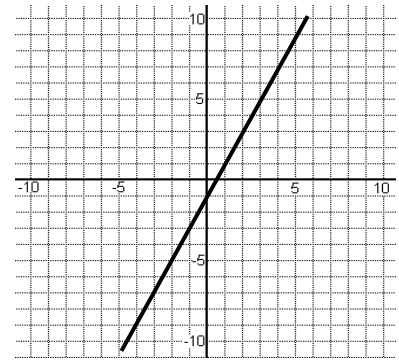
1.



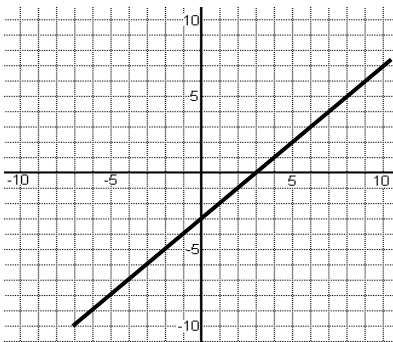
2.



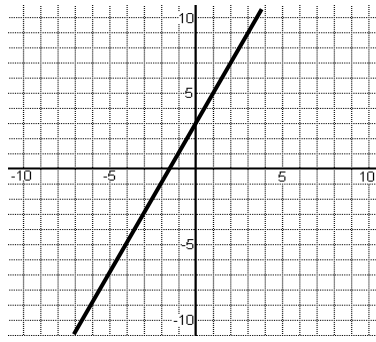
3.



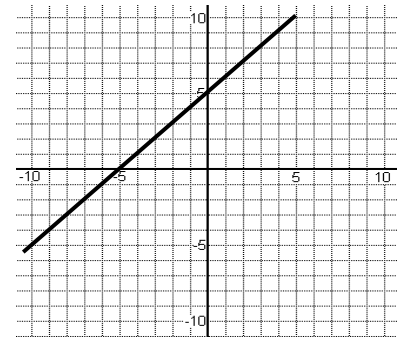
4.



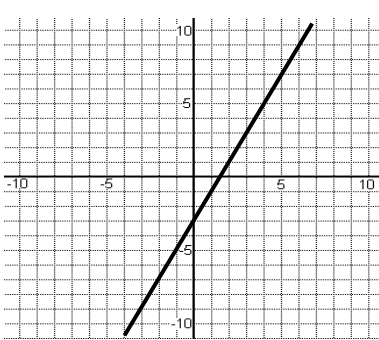
5.



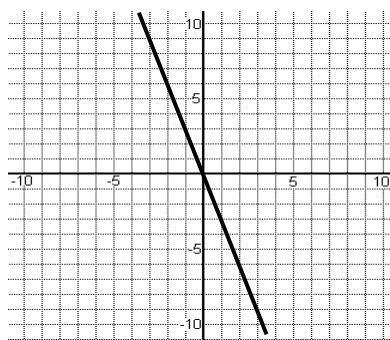
6.



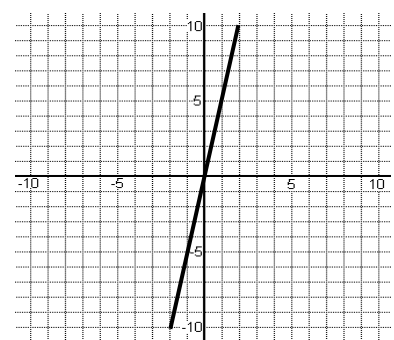
7.



8.



9.



$y = 2x - 1$	$y = x + 5$	$y = -3x$	$y = 5x$	$y = 3x + 2$	$y = 2x + 3$
$y = x - 3$	$y = \frac{1}{2}x + 3$	$y = x + 3$	$y = 2x - 3$	$y = -x - 3$	$y = -x + 3$

## Answers

### Sheet one

1.  $x = 2$
2.  $y = 7$
3.  $y = 3x$
4.  $y = x + 2$
5.  $y = -2x$
6.  $y = -x - 2$
7.  $y = x^2$
8.  $y = 2x + 5$
9.  $y = x - 4$

### Sheet two

1.  $y = x + 3$
2.  $y = -x + 3$
3.  $y = 2x - 1$
4.  $y = x - 3$
5.  $y = 2x + 3$
6.  $y = x + 5$
7.  $y = 2x - 3$
8.  $y = -3x$
9.  $y = 5x$