Name : _____ Score : _____

Teacher : _____ Date : _____

Parallel, Perpendicular, and Intersecting Lines

Determine if the given pair of lines is parallel, perpendicular, or intersecting.

1) $y = \frac{2}{3}x - 15$ and $y = \frac{2}{3}x + 1$ Answer: _____	5) $y = \frac{1}{6}x + 2$ and $6x - y = 1$ Answer: _____
2) $y = -\frac{4}{9}x + 5$ and $y = -\frac{4}{9}x - 3$ Answer: _____	6) $y = -\frac{1}{3}x - 18$ and $y = \frac{1}{3}x - 4$ Answer: _____
3) $y = -\frac{2}{7}x - 12$ and $-7x + 2y = 8$ Answer: _____	7) $y = -\frac{7}{3}x + 14$ and $-7x + 3y = 15$ Answer: _____
4) $y = -\frac{4}{7}x + 4$ and $y = \frac{7}{4}x - 3$ Answer: _____	8) $y = -\frac{9}{4}x + 13$ and $4x + 9y = -9$ Answer: _____

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Parallel, Perpendicular, and Intersecting Lines

Determine if the given pair of lines is parallel, perpendicular, or intersecting.

1) $y = \frac{2}{3}x - 15$ and $y = \frac{2}{3}x + 1$ Answer: Parallel Lines	5) $y = \frac{1}{6}x + 2$ and $6x - y = 1$ Answer: Intersecting Lines
2) $y = -\frac{4}{9}x + 5$ and $y = -\frac{4}{9}x - 3$ Answer: Parallel Lines	6) $y = -\frac{1}{3}x - 18$ and $y = \frac{1}{3}x - 4$ Answer: Intersecting Lines
3) $y = -\frac{2}{7}x - 12$ and $-7x + 2y = 8$ Answer: Perpendicular Lines	7) $y = -\frac{7}{3}x + 14$ and $-7x + 3y = 15$ Answer: Intersecting Lines
4) $y = -\frac{4}{7}x + 4$ and $y = \frac{7}{4}x - 3$ Answer: Perpendicular Lines	8) $y = -\frac{9}{4}x + 13$ and $4x + 9y = -9$ Answer: Intersecting Lines