

Name : _____

Evaluate

Primary: S1

Evaluate each expression.

1) $\sin 45^\circ + 7 \cos 0^\circ$

2) $\cos \frac{\pi}{2} \sin \frac{\pi}{3}$

3) $\tan 0^\circ - \cos 30^\circ$

4) $\frac{3 + \sin^2 90^\circ}{4}$

5) $3\left(\tan \frac{\pi}{6} + \sin \frac{\pi}{3}\right)$

6) $\frac{\tan 60^\circ}{\sin 30^\circ - \cos 45^\circ}$

Name : _____

Answer key

Evaluate

Primary: S1

Evaluate each expression.

1) $\sin 45^\circ + 7 \cos 0^\circ$

$$\frac{\sqrt{2} + 14}{2}$$

2) $\cos \frac{\pi}{2} \sin \frac{\pi}{3}$

$$0$$

3) $\tan 0^\circ - \cos 30^\circ$

$$-\frac{\sqrt{3}}{2}$$

4) $\frac{3 + \sin^2 90^\circ}{4}$

$$1$$

5) $3\left(\tan \frac{\pi}{6} + \sin \frac{\pi}{3}\right)$

$$\frac{5\sqrt{3}}{2}$$

6) $\frac{\tan 60^\circ}{\sin 30^\circ - \cos 45^\circ}$

$$-2(\sqrt{3} + \sqrt{6})$$