mobius

Math worksheet on *'Slope - Find Perpendicular - Slope Y Intercept Form to Slope Zero Intercept Form (Level 1)'*. Part of a broader unit on *'Slopes and Perpendiculars - Intro'*

Learn online:

app.mobius.academy/math/units/line_equations_and_perpendiculars_intro/

1 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = 3x + 2$$

a $y = \frac{3}{2}x$	**b** $y = \frac{1}{3}x$
c $y = -3x$	**d** $y = -\frac{1}{3}x$

2 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = -3x + 3$$

a $y = 3x$	**b** $y = -\frac{1}{3}x$	**c** $y = \frac{1}{3}x$	**d** $y = -\frac{3}{2}x$

3 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = \frac{1}{3}x + 3$$

a $y = -\frac{1}{3}x$	**b** $y = -\frac{3}{2}x$
c $y = -3x$	**d** $y = 3x$

4 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = 5x + 3$$

a $y = -5x$	**b** $y = -\frac{1}{5}x$
c $y = \frac{1}{5}x$	**d** $y = \frac{5}{2}x$

5 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = -\frac{1}{3}x + 0.33$$

a $y = \frac{1}{3}x$	**b** $y = 3x$
c $y = \frac{3}{2}x$	**d** $y = -3x$

6 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = -\frac{1}{5}x + 2.2$$

a $y = \frac{1}{5}x$	**b** $y = \frac{5}{2}x$
c $y = -5x$	**d** $y = 5x$

7 What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = -4x + 4$$

a $y = 4x$	**b** $y = -\frac{4}{2}x$	**c** $y = \frac{1}{4}x$	**d** $y = -\frac{1}{4}x$