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

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

$$2x + 2y = 2$$

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

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

$$9x + 3y = 9$$

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

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

$$1x + 3y = 4$$

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

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

$$-3x + 3y = 3$$

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

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

$$-15x + 3y = 3$$

a	$y = -\frac{1}{5}x + 0.2$	**b**	$y = \frac{1}{5}x + 0.2$
c	$y = \frac{5}{2}x + 0.2$	**d**	$y = -5x + 0.2$

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

$$-0.6x + 3y = 6$$

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

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

$$10x + 2y = 10$$

a	$y = 5x + 3$	**b**	$y = \frac{1}{5}x + 3$
c	$y = -\frac{5}{2}x + 3$	**d**	$y = -\frac{1}{5}x + 3$