Math worksheet on *'Linear Equations - Find Intersection (Decimal) - With Horizontal Line (Level 1)'*. Part of a broader unit on *'Linear Equation Intersections - Intro'*

Learn online:

app.mobius.academy/math/units/line_equations_and_intersections_intro/

1 Find the intersection point of these two lines

$$y = 4x - 0$$
$$y = 5$$

a $(-2.75, 5)$	**b** $(4.25, 5)$	
c $(5.25, 5)$	**d** $(0.25, 6)$	
e $(0.25, 5)$	**f** $(1.25, 5)$	

2 Find the intersection point of these two lines

$$y = 8x - 1$$
$$y = -2$$

a $(-1.13, 2)$	**b** $(-0.13, -2)$	
c $(-3.13, -1)$	**d** $(-5.13, -5)$	
e $(1.88, -2)$	**f** $(-2.13, -2)$	

3 Find the intersection point of these two lines

$$y = -6x - 0$$
$$y = -6$$

a $(-3, -8)$	**b** $(4, -2)$	**c** $(0, -6)$
d $(1, -6)$	**e** $(-3, -2)$	**f** $(4, -4)$

4 Find the intersection point of these two lines

$$y = 1x + 4$$
$$y = 1$$

a $(-3, 1)$	**b** $(-5, 1)$	**c** $(-7, 1)$
d $(-6, 4)$	**e** $(1, 1)$	**f** $(0, 5)$

5 Find the intersection point of these two lines

$$y = -4x - 6$$
$$y = 8$$

a $(-3.5, 8)$	**b** $(-7.5, 8)$	
c $(-3.5, 11)$	**d** $(-5.5, 10)$	
e $(-8.5, 8)$	**f** $(-4.5, 8)$	

6 Find the intersection point of these two lines

$$y = -2x - 2$$
$$y = 6$$

a $(-7, 2)$	**b** $(-3, 6)$	**c** $(-8, 6)$
d $(-4, 6)$	**e** $(-7, 10)$	**f** $(0, 6)$

7 Find the intersection point of these two lines

$$y = -6x - 5$$
$$y = 5$$

a $(-5.67, 2)$	**b** $(1.33, 5)$	
c $(-3.67, 5)$	**d** $(-0.67, 5)$	
e $(-1.67, 5)$	**f** $(2.33, 5)$	