



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

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1 Find the intersection point of these two lines

a	b	c
(2, 2)	(3, -1)	(-2, 2)
d	e	f
(6, 2)	(0, -3)	(-1, 2)

$$y = 1x - 4$$

$$y = -3x + 8$$

2 Find the intersection point of these two lines

a	b
(0.14, 8)	(-3.86, 7)
c	d
(-0.86, 6)	(-2.86, 4)
e	f
(3.14, 4)	(-4.86, 6)

$$y = 7x + 7$$

$$y = 0x + 8$$

3 Find the intersection point of these two lines

a	b
(0.25, -1.75)	(3.25, -2.75)
c	d
(-2.75, 1.25)	(-2.75, -3.75)
e	f
(-4.75, 2.25)	(2.25, -5.75)

$$y = 1x - 2$$

$$y = -3x - 1$$

4 Find the intersection point of these two lines

a	b
(-3.71, 4.29)	(-3.71, 3.29)
c	d
(4.29, 2.29)	(0.29, 6.29)
e	f
(-0.71, 1.29)	(0.29, 5.29)

$$y = 1x + 6$$

$$y = 8x + 4$$

5 Find the intersection point of these two lines

a	b
(2.67, 2.67)	(-5.33, -0.33)
c	d
(-0.33, 3.67)	(-4.33, -0.33)
e	f
(-1.33, 6.67)	(-5.33, 1.67)

$$y = 1x + 4$$

$$y = -2x + 3$$

6 Find the intersection point of these two lines

a	b
(4.5, 13)	(-2.5, 17)
c	d
(-2.5, 11)	(1.5, 14)
e	f
(4.5, 15)	(-2.5, 15)

$$y = 6x + 5$$

$$y = 4x + 8$$

7 Find the intersection point of these two lines

a	b
(-6.67, -15.67)	(-0.67, -20.67)
c	d
(-0.67, -14.67)	(-4.67, -17.67)
e	f
(-2.67, -15.67)	(-0.67, -11.67)

$$y = 7x + 3$$

$$y = 4x - 5$$