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3. a) (4, 5) b) (2, -1) c) (4, 1)

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6. a) (-2, 5) b) (3, -2) c) (-18, -13)

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8. a) 1) x: number of students y: total cost

2) $y = 1.5x + 120$

$y = 2x + 80$

3) 80

- b) 1) x: amount of sales y: salary

2) $y = 0.005x + 350$

$y = 0.01x + 100$

3) \$50 000

- c) 1) x: x-coordinate y: y-coordinate

2) $y = \frac{3}{2}x - 3$

$y = -\frac{2}{3}x + 10$

3) (6, 6)

d) 1) x : number of items sold y : salary

2) $y = 10x + 120$

$y = 8x + 150$

3) 15