



Algebra & Functions (Maths 201-016)

Answers

1. Equation solutions:

- (a) 7 (b) 9 (c) $\frac{7}{5}$

2. "Word problem" solutions:

- (a) \$300 (b) 34% (c) 16% (d) 3000

3. $y = x + 5$

4. $y = -\frac{1}{2}x + 7$.

5. slope: $-\frac{3}{2}$; intercepts: $x = \frac{4}{3}$, $y = 2$. Graph below.

6. The pairs of lines are:

- (a) perpendicular; intersection: $(x, y) = (6, 0)$ (b) parallel

7. Simplified exponents:

- (a) $\frac{625a^{28}b^{32}}{c^{56}}$ (b) $\frac{2x^{10}}{y^9}$ (c) $\frac{4x^9}{y^8}$

The graph for $3x + 2y = 4$

