

1

$$(3) -56 \div (-4) = 14$$

2

$$(14) \left(\frac{1}{5} - \frac{3}{4}\right) \times 20 = \frac{1}{5} \times 20 - \frac{3}{4} \times 20 \\ = 4 - 15 \\ = -11$$

5

$$(6) \left(\frac{20}{3}x - 5\right) \div 10 = \left(\frac{20}{3}x - 5\right) \times \frac{1}{10} \\ = \frac{20}{3}x \times \frac{1}{10} - 5 \times \frac{1}{10} \\ = \frac{2}{3}x - \frac{1}{2}$$

8

$$(1) 6a(-a + 2b) = 6a \times (-a) + 6a \times 2b \\ = -6a^2 + 12ab$$

$$(2) (5m - 4)(-7m) = -7m \times 5m - 4 \times (-7m) \\ = -35m^2 + 28m$$

9

$$(9) (3x - 8)(3x + 4) = 9x^2 + 12x - 24x - 32 \\ = 9x^2 - 12x - 32$$

12

$$(10) -42 + a + a^2 = a^2 + a - 42 \\ = (a + 7)(a - 6)$$

16

$$(2) -12 + x = 9 \\ x = 9 + 12 \\ x = 21$$

$$(8) 3x - 5 = 4(x + 1) \\ 3x - 5 = 4x + 4 \\ 3x - 4x = 4 + 5 \\ -x = 9 \\ x = -9$$