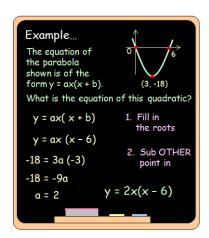
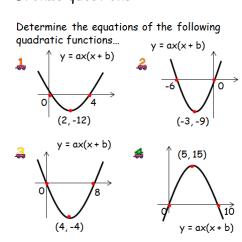
Outcome 1 - Quadratic functions of the form $y = ax(x \pm b)$

Bronze example

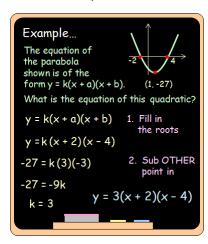


Bronze questions

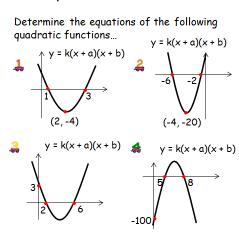


Outcome 2 - Quadratic functions in the form $y = k(x \pm a)(x \pm b)$

Silver example

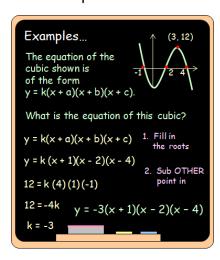


Silver questions

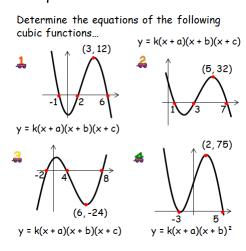


Outcome 3 - Cubic functions

Gold example



Gold questions



Bronze Answers

- 1. y = 3x(x 4)
- 2. y = x(x + 6)
- 3. y = 1/4x(x 8)
- 4. y = -3/5x(x 10)

Silver Answers

- 1. y = 4(x-1)(x-3)
- 2. y = 5(x+6)(x+2)
- 3. y = 1/4(x-2)(x-6)
- 4. y = -5/2(x-5)(x-8)

Gold Answers

- 1. y = -(x + 1)(x 2)(x 6)
- 2. y = -2(x-1)(x-3)(x-7)
- 3. y = 3/4(x+2)(x-4)(x-8)
- 4. $y = -(x + 3)^2(x 5)$