Outcome 1 – Graphically

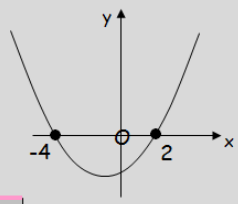### Bronze example

Examples...

Roots are where the graph cuts the x-axis

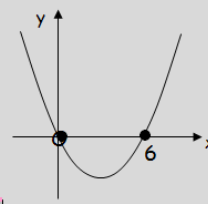Solve the following quadratic equation graphically...

$x = -4$

$x = 2$

Silver example

Examples...

Roots are where the graph cuts the x-axis

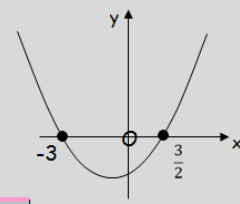Solve the following quadratic equation graphically...

$x = 0$

$x = 6$

Gold example

Examples...
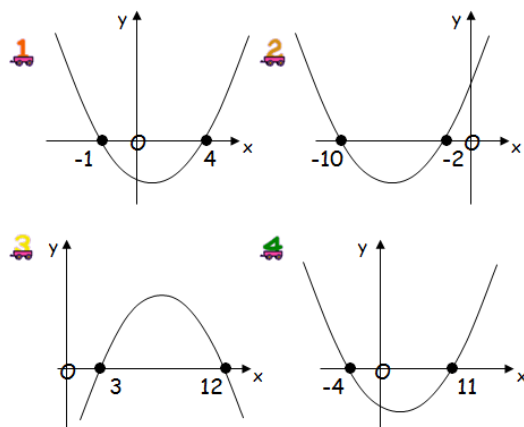
Roots are where the graph cuts the x-axis

Solve the following quadratic equation graphically...
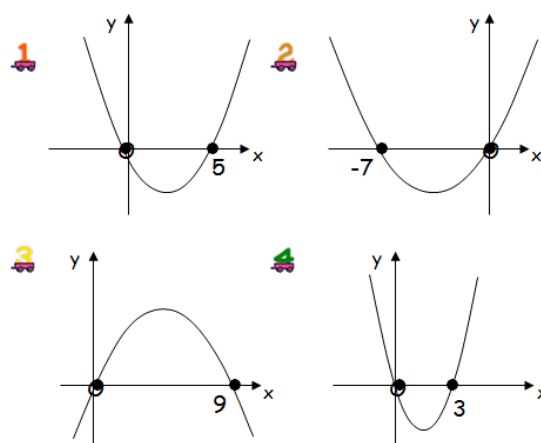
$x = -3$

$x = \dfrac{3}{2}$

Bronze Questions

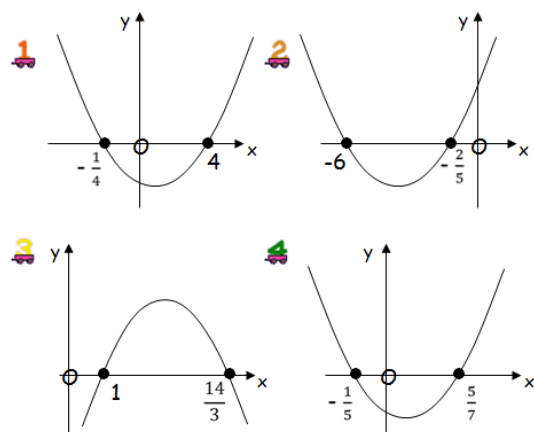Solve the following quadratic equations graphically...

Silver Questions

Solve the following quadratic equations graphically...

Gold Questions

Solve the following quadratic equations graphically...

Bronze Answers

1. $x = -1$ and $x = 4$
2. $x = -10$ and $x = -2$
3. $x = 3$ and $x = 12$
4. $x = -4$ and $x = 11$

Silver Answers

1. $x = 0$ and $x = 5$
2. $x = -7$ and $x = 0$
3. $x = 0$ and $x = 9$
4. $x = 0$ and $x = 3$

Gold Answers

1. $x = -1/4$ and $x = 4$
2. $x = -6$ and $x = -2/5$
3. $x = 1$ and $x = 14/3$
4. $x = -1/5$ and $x = 5/7$