

COUNTDOWN Challenge

Graphs - labels, formulas, pictures

Understanding graphs in algebra is often easier if we see the relationship between labels, formulas and pictures. Study the labels, formulas and pictures below and match them correctly.

| LABEL | FORMULA | PICTURE |
|--------------------------------|-------------------|---------|
| Linear <i>Straight line</i> | $r^2 = x^2 + y^2$ | |
| Linear <i>Y is constant</i> | $x = 2$ | |
| Quadratic <i>Square #</i> | $y = x^2$ | |
| Absolute Value | $y = x^3$ | |
| Circle | $y = x + 0$ | |
| Cubic | $y = x $ | |
| Linear <i>X is constant</i> | $y = 2$ | |
| Exponential | $y = 2^x$ | |