

BASIC ALGEBRA

The questions below are for use with www.philsmathspage.co.uk:

- ➔ On the website, click on 'videos' and watch the related video clips.
- ➔ When the questions appear, press pause and try the questions.
- ➔ Press play and use the solutions on the clip to mark your answers.

SUBSTITUTION

(a) If $x = 5$, $3x - 4 =$

(b) If $a = -5$ and $b = -2$,
 $a^2 - 2b =$

(c) If $y = \frac{1}{2}$, $\frac{y}{3} =$

SIMPLIFICATION

$$(-3a+b)+(2a+5b) =$$

$$7 - (2x-5) =$$

$$\frac{2x-3}{3} - \frac{3x+1}{5} =$$

EQUATIONS

$$4x - 4 = 11 + x$$

$$\frac{3x-7}{4} = \frac{x}{2}$$

➔ *Don't forget to mark your work using the solutions on the video clips!*