

## Workout

### Question 1

(a)  $x = 2A - y$

(b)  $x = \frac{A - \pi r^2}{2\pi r}$

(c)  $x = \sqrt{\frac{T + y}{3}}$

(d)  $x = \frac{m}{as}$

(e)  $x = \frac{2S - 2uy}{y^2}$

(f)  $x = \frac{4}{3}w - 4t$

(g)  $x = dj - 3$

(h)  $x = \frac{t}{g} + 2$

(i)  $x = \frac{\sqrt{\frac{p}{3}} - y}{2}$

(j)  $x = 8w - \frac{1}{2}a$

### Question 2

(a)  $m = -17y$

(b)  $m = 7a - 6$

(c)  $m = -\frac{2}{5}c$

(d)  $m = \frac{2}{3}(a - 2c)$

$$(e) \quad m = \frac{c(2 - a)}{a - 6}$$

$$(f) \quad m = \frac{n(w + x)}{x - w}$$

$$(g) \quad m = \frac{3c + 8f}{7}$$

$$(h) \quad m = \frac{4 - 5y}{y - 1}$$

$$(i) \quad m = \frac{y}{3t - a^2}$$

$$(j) \quad m = \frac{cr + 7r - 5}{3}$$

$$(k) \quad m = \frac{x}{a + 4\pi}$$

$$(l) \quad m = k + 2t$$

$$(m) \quad m = \frac{y}{d + e}$$

$$(n) \quad m = \frac{f}{c + d - 1}$$

$$(o) \quad m = -n - \frac{y}{p}$$

$$(p) \quad m = \frac{hr}{p + 2r}$$

$$(q) \quad m = \frac{\pi x + 8}{\pi x - 1}$$

$$(r) \quad m = \frac{c - 2a}{3a - c}$$

Question 3

$$(a) \quad c = \frac{aw}{a + w}$$

$$(b) \quad c = \frac{a - 2w + 12}{w - 6}$$

**Apply**

$$\text{Cos}A = \frac{b^2 + c^2 - a^2}{2bc}$$

Question 1: