

Lesson 8 - HW

FACTORISE COMPLETELY:

(1) $a(c+4) + 5(c+4)$ (2) $3x + 3y + ax + ay$

(3) $a^2 - ac + ab - bc$ (4) $2pq - pr + 6q^2 - 3qr$

SIMPLIFY:

(5) $\frac{8a+8}{8}$

(6) $\frac{12x-6}{6}$

(7) $\frac{ax+ay}{2a}$

(8) $\frac{x^2+x}{3x}$

(9) $\frac{24p-p^2}{4p}$

(10) $\frac{x^2-x}{x-1}$

(11) $\frac{2m^2+mn}{2m+n}$

(12) $\frac{x^2-9}{x+3}$

(13) $\frac{x^2+5x+6}{(x+2)}$

SIMPLIFY

(14) $\frac{x-3}{4} - \frac{x+1}{5}$

(15) $\frac{3}{x-1} + \frac{1}{x+1}$

(16) $\frac{2x-1}{x+1} - \frac{x+2}{x}$

(17) $\frac{3}{x-4} - \frac{2}{x-1}$

ANSWERS

$\frac{a+x-2x}{5+x}$ (17)

$\frac{(1+x)x}{2-x+2x-2}$ (9)

$\frac{1-x}{2+x+1}$ (8)

$\frac{2x}{b^2-x^2}$ (4)

$\frac{e+x}{2+x}$ (3)

$\frac{e-x}{2}$ (2)

w (11)

x (10)

$\frac{x}{b}$ (6)

$\frac{1}{b^2-x^2}$ (9)

$\frac{e}{1+x}$ (2)

$\frac{2}{5+x}$ (7)

$\frac{1-x}{2}$ (6)

$\frac{1}{a+1}$ (5)

$(b^2+d)(2-b^2)$ (7)

$(9+a)(2-a)$ (3)

$(a+y)(2+x)$ (2)

$(5+a)(2+x)$ (1)