

1i) $x^6 \times x^8 \times x^2 \times x$

$6+8=14$ $14+2=16+1=17$

x^{17}

ii) $(2x^2) \times x \times 3x^3$

iii) $\frac{x^2 \times x^{10} \times x}{x^2}$

$2+10+1=13$

$\frac{x^{13}}{x^2}$

iv) $2\sqrt{x} \times 3\sqrt{x}$

v) $1 = x$

2i) $7x-1 = 5x+4$

$-5x$

$-5x$

$2x-1=4$

$+1$

$+1$

$2x=5$

$x = 2.5$ or $\frac{5}{2}$

Answer not crossed out

ii) $10(3x+2) = 7(-2x-1)$

$10(3x+2) = 30x+20$

$7(-2x-1) = -14x-7$

$30x+20 = -14x-7$

$+14x$

$+14x$

$44x+20 = -7$

-20 $44x = -27$ -20

$44x = -27$

$x = \frac{-27}{44}$