

Worksheet

09/19/2019

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Problem quickname: 8231

1)

Transform this term into a product. Do this by performing factorisation as shown in example a).

- a) $8d + 40 = 8(d + 5)$ b) $5w + 40$ c) $3x + 45$ d) $6v + 12$
e) $3d + 21$ f) $2e + 50$ g) $27b + 9c$ h) $6z + 18$ i) $3a + 21$
j) $6w + 45y$

2)

Transform this term into a product. Do this by performing factorisation.

- a) $16b + 12c =$ _____ b) $40b + 8c + 8e =$ _____
c) $7b + 49c + 21d =$ _____ d) $30b + 20c + 10d =$ _____
e) $40v + 20w + 10y =$ _____ f) $16a + 28d =$ _____
g) $24w + 8x =$ _____ h) $18b + 6e =$ _____
i) $12v + 4x + 4y =$ _____ j) $24w + 2x + 2z =$ _____

3)

Transform this term into a product. Do this by performing factorisation as shown in example a).

- a) $4x^2 + 12x = 4x(x + 3)$ b) $3d + 21$ c) $8de + 8e^2$ d) $3d^2 + 45d$
e) $8ac + 24c$ f) $3x + 33$ g) $18c + 3d$ h) $15w + 25y$
i) $5bc + 5c^2$ j) $30b + 40c$

4)

Transform this term into a product. Do this by performing factorisation as shown in example a).

- a) $32b + 28d = 4(8b + 7d)$ b) $6bc + 24b$ c) $5de + 35e$ d) $8y + 40$
e) $7ab + 35b$ f) $40v + 28y$ g) $26vx + 32x^2$ h) $24wz + 32z^2$
i) $10b + 40$ j) $24w + 36x + 3y$

Good Luck!