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) $40a^2 + 30ad = 10a(4a + 3d)$ b) $7ad + 14d$ c) $49c^2 + 7cd$
d) $5xy + 45y^2$ e) $32b + 44d$ f) $5d^2 - 35d$ g) $45x^2 + 5xy$
h) $42c + 6d$ i) $9vx + 18v$ j) $8a + 2c + 30d$

2)

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

a) $27wx + 45x^2 = 9x(5x + 3w)$ b) $32x + 24y + 40z$ c) $27b + 9c + 36e$
d) $28b + 7e$ e) $44a + 20b + 40e$ f) $10z^2 + 20z$ g) $4vy + 16y$
h) $4cd + 20d$ i) $3xy + 36y$ j) $42a + 27b + 27d$

3)

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

a) $7y + 21 = 7(y + 3)$ b) $20w + 10y + 20z =$ _____
c) $4wz + 16z =$ _____ d) $5bc + 35c =$ _____
e) $7y + 42 =$ _____ f) $2bc + 20b =$ _____
g) $9wz + 36z =$ _____ h) $9bd + 27d =$ _____
i) $20c + 8d =$ _____ j) $16b + 28e =$ _____

4)

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

a) $3yz + 27z = 3z(y + 9)$ b) $6x + 30$ c) $7w + 14$ d) $8vy + 32y$
e) $7wy + 42w$ f) $3y + 18$ g) $4bd + 40d$ h) $3vx + 24x$
i) $4xy + 24x$ j) $9wz + 18z$

Good Luck!