Rewriting Expressions

Name:

Rewrite each expression in its simplest form.

1) $(^6/_{10}V + 8) - (^{24}/_{30}V + 6)$

2) $(^5/_7X - 14) - (^8/_{28}X + 17)$

3) $(^{12}/_{27}A - 7) - (^1/_9A - 19)$

4) $-(^2/_8P + 6) + (^2/_4P + 12)$

5) $-(^8/_{24}D - 9) + (^1/_6D + 8)$

6) $-(^2/_3T - 15) - (^1/_3T + 2)$

7) $-(^1/_{10}C - 20) - (^7/_{10}C - 4)$

8) $-(-^2/_4N + 12) - (^4/_{16}N - 18)$

9) $(^1/_6F + 2) - (^3/_6F + 14)$

10) $(^3/_7K + 9) - (^{15}/_{21}K + 7)$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

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Rewrite each expression in its simplest form.

Answers

1) $(\frac{6}{10}V + 8) - (\frac{24}{30}V + 6)$

$\frac{18}{30}V + 8 - \frac{24}{30}V - 6$

1. $-\frac{6}{30}V+2$

2) $(\frac{5}{7}X - 14) - (\frac{8}{28}X + 17)$

$\frac{20}{28}X - 14 - \frac{8}{28}X - 17$

2. $\frac{12}{28}X-31$

3) $(\frac{12}{27}A - 7) - (\frac{1}{9}A - 19)$

$\frac{12}{27}A - 7 - \frac{3}{27}A + 19$

3. $\frac{9}{27}A+12$

4) $-(\frac{2}{8}P + 6) + (\frac{2}{4}P + 12)$

$-\frac{2}{8}P - 6 + \frac{4}{8}P + 12$

4. $\frac{2}{8}P+6$

5) $-(\frac{8}{24}D - 9) + (\frac{1}{6}D + 8)$

$-\frac{8}{24}D + 9 + \frac{4}{24}D + 8$

5. $-\frac{4}{24}D-1$

6) $-(\frac{2}{3}T - 15) - (\frac{1}{3}T + 2)$

$-\frac{2}{3}T + 15 - \frac{1}{3}T - 2$

6. $-\frac{3}{3}T+13$

7) $-(\frac{1}{10}C - 20) - (\frac{7}{10}C - 4)$

$-\frac{1}{10}C + 20 - \frac{7}{10}C + 4$

7. $-\frac{8}{10}C+24$

8) $-(-\frac{2}{4}N + 12) - (\frac{4}{16}N - 18)$

$\frac{8}{16}N - 12 - \frac{4}{16}N + 18$

8. $\frac{4}{16}N+6$

9) $(\frac{1}{6}F + 2) - (\frac{3}{6}F + 14)$

$\frac{1}{6}F + 2 - \frac{3}{6}F - 14$

9. $-\frac{2}{6}F-12$

10) $(\frac{3}{7}K + 9) - (\frac{15}{21}K + 7)$

$\frac{9}{21}K + 9 - \frac{15}{21}K - 7$

10. $-\frac{6}{21}K+2$

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