Factoring Expressions Name:

Factor each expression completely.

1) $\frac{2}{36}B - \frac{2}{54} =$ _____

2) $\frac{3}{24}C + \frac{9}{24} =$ _____

3) $-\frac{9}{40}D + \frac{15}{35} =$ _____

4) $-\frac{2}{6}E - \frac{2}{21} =$ _____

5) $-\frac{4}{24}F - \frac{8}{18} =$ _____

6) $\frac{3}{8}G - \frac{3}{12} =$ _____

7) $\frac{12}{42}H + \frac{20}{14} =$ _____

8) $-\frac{10}{48}I + \frac{6}{32} =$ _____

9) $\frac{4}{14}J - \frac{4}{42} =$ _____

10) $\frac{4}{36}K - \frac{2}{36} =$ _____

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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

Factoring Expressions Name: **Answer Key**

Factor each expression completely.

1) $\frac{2}{36}B - \frac{2}{54} =$ $^{2}/_{18}(^{1}/_{2}B - ^{1}/_{3})$

2) $\frac{3}{24}C + \frac{9}{24} =$ $^{3}/_{24}(^{1}/_{1}C + ^{3}/_{1})$

3) $-\frac{9}{40}D + \frac{15}{35} =$ $-^{3}/_{5}(^{3}/_{8}D - ^{5}/_{7})$

4) $-\frac{2}{6}E - \frac{2}{21} =$ $-^{2}/_{3}(^{1}/_{2}E + ^{1}/_{7})$

5) $-\frac{4}{24}F - \frac{8}{18} =$ $-^{4}/_{6}(^{1}/_{4}F + ^{2}/_{3})$

6) $\frac{3}{8}G - \frac{3}{12} =$ $^{3}/_{4}(^{1}/_{2}G - ^{1}/_{3})$

7) $\frac{12}{42}H + \frac{20}{14} =$ $^{4}/_{14}(^{3}/_{3}H + ^{5}/_{1})$

8) $-\frac{10}{48}I + \frac{6}{32} =$ $-^{2}/_{16}(^{5}/_{3}I - ^{3}/_{2})$

9) $\frac{4}{14}J - \frac{4}{42} =$ $^{4}/_{14}(^{1}/_{1}J - ^{1}/_{3})$

10) $\frac{4}{36}K - \frac{2}{36} =$ $^{2}/_{36}(^{2}/_{1}K - ^{1}/_{1})$

Answers

1. $^{2}/_{18}(^{1}/_{2}B - ^{1}/_{3})$
2. $^{3}/_{24}(^{1}/_{1}C + ^{3}/_{1})$
3. $-^{3}/_{5}(^{3}/_{8}D - ^{5}/_{7})$
4. $-^{2}/_{3}(^{1}/_{2}E + ^{1}/_{7})$
5. $-^{4}/_{6}(^{1}/_{4}F + ^{2}/_{3})$
6. $^{3}/_{4}(^{1}/_{2}G - ^{1}/_{3})$
7. $^{4}/_{14}(^{3}/_{3}H + ^{5}/_{1})$
8. $-^{2}/_{16}(^{5}/_{3}I - ^{3}/_{2})$
9. $^{4}/_{14}(^{1}/_{1}J - ^{1}/_{3})$
10. $^{2}/_{36}(^{2}/_{1}K - ^{1}/_{1})$

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