Factor each expression completely.

1) $\frac{4}{30}B - \frac{16}{36} =$ _____

2) $\frac{16}{36}C + \frac{8}{32} =$ _____

3) $\frac{6}{35}D - \frac{9}{25} =$ _____

4) $\frac{9}{20}E + \frac{9}{35} =$ _____

5) $\frac{6}{36}F + \frac{2}{45} =$ _____

6) $\frac{6}{20}G - \frac{8}{24} =$ _____

7) $\frac{6}{24}H - \frac{15}{32} =$ _____

8) $-\frac{3}{15}I + \frac{6}{30} =$ _____

9) $\frac{6}{36}J - \frac{4}{12} =$ _____

10) $\frac{16}{54}K + \frac{12}{81} =$ _____

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) $\frac{4}{30}B - \frac{16}{36} =$ $\frac{4}{6}(\frac{1}{5}B - \frac{4}{6})$

2) $\frac{16}{36}C + \frac{8}{32} =$ $\frac{8}{4}(\frac{2}{9}C + \frac{1}{8})$

3) $\frac{6}{35}D - \frac{9}{25} =$ $\frac{3}{5}(\frac{2}{7}D - \frac{3}{5})$

4) $\frac{9}{20}E + \frac{9}{35} =$ $\frac{9}{5}(\frac{1}{4}E + \frac{1}{7})$

5) $\frac{6}{36}F + \frac{2}{45} =$ $\frac{2}{9}(\frac{3}{4}F + \frac{1}{5})$

6) $\frac{6}{20}G - \frac{8}{24} =$ $\frac{2}{4}(\frac{3}{5}G - \frac{4}{6})$

7) $\frac{6}{24}H - \frac{15}{32} =$ $\frac{3}{8}(\frac{2}{3}H - \frac{5}{4})$

8) $-\frac{3}{15}I + \frac{6}{30} =$ $-\frac{3}{15}(\frac{1}{1}I - \frac{2}{2})$

9) $\frac{6}{36}J - \frac{4}{12} =$ $\frac{2}{12}(\frac{3}{3}J - \frac{2}{1})$

10) $\frac{16}{54}K + \frac{12}{81} =$ $\frac{4}{27}(\frac{4}{2}K + \frac{3}{3})$

Answers

1. $\frac{4}{6}(\frac{1}{5}B - \frac{4}{6})$
2. $\frac{8}{4}(\frac{2}{9}C + \frac{1}{8})$
3. $\frac{3}{5}(\frac{2}{7}D - \frac{3}{5})$
4. $\frac{9}{5}(\frac{1}{4}E + \frac{1}{7})$
5. $\frac{2}{9}(\frac{3}{4}F + \frac{1}{5})$
6. $\frac{2}{4}(\frac{3}{5}G - \frac{4}{6})$
7. $\frac{3}{8}(\frac{2}{3}H - \frac{5}{4})$
8. $-\frac{3}{15}(\frac{1}{1}I - \frac{2}{2})$
9. $\frac{2}{12}(\frac{3}{3}J - \frac{2}{1})$
10. $\frac{4}{27}(\frac{4}{2}K + \frac{3}{3})$