Factoring Expressions Name:

Factor each expression completely.

1) $-\frac{4}{12}B+\frac{2}{8}$ = _____

2) $-\frac{3}{35}C+\frac{18}{45}$ = _____

3) $-\frac{15}{72}D-\frac{6}{36}$ = _____

4) $-\frac{3}{18}E+\frac{3}{45}$ = _____

5) $\frac{3}{16}F+\frac{3}{24}$ = _____

6) $\frac{4}{24}G-\frac{8}{16}$ = _____

7) $-\frac{15}{54}H+\frac{15}{36}$ = _____

8) $\frac{10}{42}I-\frac{6}{54}$ = _____

9) $\frac{2}{56}J+\frac{6}{63}$ = _____

10) $-\frac{2}{12}K+\frac{2}{30}$ = _____

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) $-\frac{4}{12}B+\frac{2}{8}$ = $-\frac{2}{4}(\frac{2}{3}B-\frac{1}{2})$

2) $-\frac{3}{35}C+\frac{18}{45}$ = $-\frac{3}{5}(\frac{1}{7}C-\frac{6}{9})$

3) $-\frac{15}{72}D-\frac{6}{36}$ = $-\frac{3}{36}(\frac{5}{2}D+\frac{2}{1})$

4) $-\frac{3}{18}E+\frac{3}{45}$ = $-\frac{3}{9}(\frac{1}{2}E-\frac{1}{5})$

5) $\frac{3}{16}F+\frac{3}{24}$ = $\frac{3}{8}(\frac{1}{2}F+\frac{1}{3})$

6) $\frac{4}{24}G-\frac{8}{16}$ = $\frac{4}{8}(\frac{1}{3}G-\frac{2}{2})$

7) $-\frac{15}{54}H+\frac{15}{36}$ = $-\frac{15}{18}(\frac{1}{3}H-\frac{1}{2})$

8) $\frac{10}{42}I-\frac{6}{54}$ = $\frac{2}{6}(\frac{5}{7}I-\frac{3}{9})$

9) $\frac{2}{56}J+\frac{6}{63}$ = $\frac{2}{7}(\frac{1}{8}J+\frac{3}{9})$

10) $-\frac{2}{12}K+\frac{2}{30}$ = $-\frac{2}{6}(\frac{1}{2}K-\frac{1}{5})$

Answers

1. $-\frac{2}{4}(\frac{2}{3}B-\frac{1}{2})$
2. $-\frac{3}{5}(\frac{1}{7}C-\frac{6}{9})$
3. $-\frac{3}{36}(\frac{5}{2}D+\frac{2}{1})$
4. $-\frac{3}{9}(\frac{1}{2}E-\frac{1}{5})$
5. $\frac{3}{8}(\frac{1}{2}F+\frac{1}{3})$
6. $\frac{4}{8}(\frac{1}{3}G-\frac{2}{2})$
7. $-\frac{15}{18}(\frac{1}{3}H-\frac{1}{2})$
8. $\frac{2}{6}(\frac{5}{7}I-\frac{3}{9})$
9. $\frac{2}{7}(\frac{1}{8}J+\frac{3}{9})$
10. $-\frac{2}{6}(\frac{1}{2}K-\frac{1}{5})$

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