Factoring Expressions Name:

Factor each expression completely.

1) $-\frac{2}{18}b+\frac{2}{18}$ = _____

2) $\frac{6}{56}c-\frac{4}{21}$ = _____

3) $-\frac{6}{54}d-\frac{6}{81}$ = _____

4) $-\frac{18}{63}e-\frac{6}{54}$ = _____

5) $-\frac{3}{27}f-\frac{6}{54}$ = _____

6) $-\frac{6}{48}g+\frac{12}{48}$ = _____

7) $-\frac{3}{12}h+\frac{6}{36}$ = _____

8) $-\frac{8}{72}i+\frac{20}{63}$ = _____

9) $-\frac{6}{42}j-\frac{2}{28}$ = _____

10) $\frac{6}{20}k+\frac{2}{35}$ = _____

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) $-\frac{2}{18}b+\frac{2}{18}$ = $-\frac{2}{18}(\frac{1}{1}b-\frac{1}{1})$

2) $\frac{6}{56}c-\frac{4}{21}$ = $\frac{2}{7}(\frac{3}{8}c-\frac{2}{3})$

3) $-\frac{6}{54}d-\frac{6}{81}$ = $-\frac{6}{27}(\frac{1}{2}d+\frac{1}{3})$

4) $-\frac{18}{63}e-\frac{6}{54}$ = $-\frac{6}{9}(\frac{3}{7}e+\frac{1}{6})$

5) $-\frac{3}{27}f-\frac{6}{54}$ = $-\frac{3}{27}(\frac{1}{1}f+\frac{2}{2})$

6) $-\frac{6}{48}g+\frac{12}{48}$ = $-\frac{6}{48}(\frac{1}{1}g-\frac{2}{1})$

7) $-\frac{3}{12}h+\frac{6}{36}$ = $-\frac{3}{12}(\frac{1}{1}h-\frac{2}{3})$

8) $-\frac{8}{72}i+\frac{20}{63}$ = $-\frac{4}{9}(\frac{2}{8}i-\frac{5}{7})$

9) $-\frac{6}{42}j-\frac{2}{28}$ = $-\frac{2}{14}(\frac{3}{3}j+\frac{1}{2})$

10) $\frac{6}{20}k+\frac{2}{35}$ = $\frac{2}{5}(\frac{3}{4}k+\frac{1}{7})$

Answers

1. $-\frac{2}{18}(\frac{1}{1}b-\frac{1}{1})$
2. $\frac{2}{7}(\frac{3}{8}c-\frac{2}{3})$
3. $-\frac{6}{27}(\frac{1}{2}d+\frac{1}{3})$
4. $-\frac{6}{9}(\frac{3}{7}e+\frac{1}{6})$
5. $-\frac{3}{27}(\frac{1}{1}f+\frac{2}{2})$
6. $-\frac{6}{48}(\frac{1}{1}g-\frac{2}{1})$
7. $-\frac{3}{12}(\frac{1}{1}h-\frac{2}{3})$
8. $-\frac{4}{9}(\frac{2}{8}i-\frac{5}{7})$
9. $-\frac{2}{14}(\frac{3}{3}j+\frac{1}{2})$
10. $\frac{2}{5}(\frac{3}{4}k+\frac{1}{7})$

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