Factor each expression completely.

1) $\frac{6}{48}b-\frac{12}{30}$ = _____

2) $\frac{6}{25}c-\frac{8}{20}$ = _____

3) $\frac{12}{48}d-\frac{20}{16}$ = _____

4) $\frac{6}{35}e-\frac{2}{28}$ = _____

5) $-\frac{4}{36}f-\frac{12}{54}$ = _____

6) $-\frac{12}{40}g-\frac{12}{30}$ = _____

7) $-\frac{3}{15}h-\frac{6}{25}$ = _____

8) $\frac{8}{40}i-\frac{12}{32}$ = _____

9) $-\frac{3}{12}j+\frac{3}{16}$ = _____

10) $-\frac{3}{16}k-\frac{3}{16}$ = _____

Answers

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

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

Factor each expression completely.

1) $\frac{6}{48}b - \frac{12}{30} =$ $\frac{6}{6}(\frac{1}{8}b - \frac{2}{5})$

2) $\frac{6}{25}c - \frac{8}{20} =$ $\frac{2}{5}(\frac{3}{5}c - \frac{4}{4})$

3) $\frac{12}{48}d - \frac{20}{16} =$ $\frac{4}{16}(\frac{3}{3}d - \frac{5}{1})$

4) $\frac{6}{35}e - \frac{2}{28} =$ $\frac{2}{7}(\frac{3}{5}e - \frac{1}{4})$

5) $-\frac{4}{36}f - \frac{12}{54} =$ $-\frac{4}{18}(\frac{1}{2}f + \frac{3}{3})$

6) $-\frac{12}{40}g - \frac{12}{30} =$ $-\frac{12}{10}(\frac{1}{4}g + \frac{1}{3})$

7) $-\frac{3}{15}h - \frac{6}{25} =$ $-\frac{3}{5}(\frac{1}{3}h + \frac{2}{5})$

8) $\frac{8}{40}i - \frac{12}{32} =$ $\frac{4}{8}(\frac{2}{5}i - \frac{3}{4})$

9) $-\frac{3}{12}j + \frac{3}{16} =$ $-\frac{3}{4}(\frac{1}{3}j - \frac{1}{4})$

10) $-\frac{3}{16}k - \frac{3}{16} =$ $-\frac{3}{16}(\frac{1}{1}k + \frac{1}{1})$

Answers

1. $\frac{6}{6}(\frac{1}{8}b - \frac{2}{5})$
2. $\frac{2}{5}(\frac{3}{5}c - \frac{4}{4})$
3. $\frac{4}{16}(\frac{3}{3}d - \frac{5}{1})$
4. $\frac{2}{7}(\frac{3}{5}e - \frac{1}{4})$
5. $-\frac{4}{18}(\frac{1}{2}f + \frac{3}{3})$
6. $-\frac{12}{10}(\frac{1}{4}g + \frac{1}{3})$
7. $-\frac{3}{5}(\frac{1}{3}h + \frac{2}{5})$
8. $\frac{4}{8}(\frac{2}{5}i - \frac{3}{4})$
9. $-\frac{3}{4}(\frac{1}{3}j - \frac{1}{4})$
10. $-\frac{3}{16}(\frac{1}{1}k + \frac{1}{1})$

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