Factor each expression completely.

1) $-\frac{16}{25}b - \frac{4}{10} =$ _____

2) $\frac{8}{45}c - \frac{16}{18} =$ _____

3) $\frac{8}{21}d + \frac{8}{49} =$ _____

4) $-\frac{4}{15}e - \frac{2}{35} =$ _____

5) $\frac{2}{12}f - \frac{2}{32} =$ _____

6) $\frac{3}{18}g + \frac{3}{18} =$ _____

7) $-\frac{8}{36}h + \frac{12}{36} =$ _____

8) $\frac{28}{40}j + \frac{8}{25} =$ _____

9) $\frac{2}{42}k + \frac{6}{35} =$ _____

10) $\frac{2}{42}m - \frac{10}{18} =$ _____

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) $-\frac{16}{25}b - \frac{4}{10} =$ $-\frac{4}{5}(\frac{4}{5}b + \frac{1}{2})$

2) $\frac{8}{45}c - \frac{16}{18} =$ $\frac{8}{9}(\frac{1}{5}c - \frac{2}{2})$

3) $\frac{8}{21}d + \frac{8}{49} =$ $\frac{8}{7}(\frac{1}{3}d + \frac{1}{7})$

4) $-\frac{4}{15}e - \frac{2}{35} =$ $-\frac{2}{5}(\frac{2}{3}e + \frac{1}{7})$

5) $\frac{2}{12}f - \frac{2}{32} =$ $\frac{2}{4}(\frac{1}{3}f - \frac{1}{8})$

6) $\frac{3}{18}g + \frac{3}{18} =$ $\frac{3}{18}(\frac{1}{1}g + \frac{1}{1})$

7) $-\frac{8}{36}h + \frac{12}{36} =$ $-\frac{4}{36}(\frac{2}{1}h - \frac{3}{1})$

8) $\frac{28}{40}j + \frac{8}{25} =$ $\frac{4}{5}(\frac{7}{8}j + \frac{2}{5})$

9) $\frac{2}{42}k + \frac{6}{35} =$ $\frac{2}{7}(\frac{1}{6}k + \frac{3}{5})$

10) $\frac{2}{42}m - \frac{10}{18} =$ $\frac{2}{6}(\frac{1}{7}m - \frac{5}{3})$

Answers

1. $-\frac{4}{5}(\frac{4}{5}b + \frac{1}{2})$
2. $\frac{8}{9}(\frac{1}{5}c - \frac{2}{2})$
3. $\frac{8}{7}(\frac{1}{3}d + \frac{1}{7})$
4. $-\frac{2}{5}(\frac{2}{3}e + \frac{1}{7})$
5. $\frac{2}{4}(\frac{1}{3}f - \frac{1}{8})$
6. $\frac{3}{18}(\frac{1}{1}g + \frac{1}{1})$
7. $-\frac{4}{36}(\frac{2}{1}h - \frac{3}{1})$
8. $\frac{4}{5}(\frac{7}{8}j + \frac{2}{5})$
9. $\frac{2}{7}(\frac{1}{6}k + \frac{3}{5})$
10. $\frac{2}{6}(\frac{1}{7}m - \frac{5}{3})$

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