

$$(الف) -٣ + ١٨ - \underbrace{(١٢ \div (-٢))}_{(1)} =$$

$$-٣ + ١٨ \overset{+}{-} (-٤) =$$

$$\underbrace{-٣ + ١٨}_{1٥} + ٤ =$$

$$١٥ + ٤ = ٢١$$

$$(ب) -٥ \times \underbrace{(-٢ \overset{+}{-} (-٣))}_{(1)} =$$

$$-٥ \times (-٢ + ٣) =$$

$$-٥ \times (-١) = +٥$$

$$(ج) \underbrace{[(-١٧) - ٣ + ١١]}_{(1)} \times \underbrace{(٢٢ \div (-٥))}_{(2)} =$$

$$\underbrace{[-٢٥ + ١١]}_{-١٤} \times (-٤) =$$

$$-١٤ \times (-٤) = +٥٦$$

$$(ج) \quad 1 \frac{1}{2} \div \left[\left(-\frac{3}{1} \right) \left(-\frac{2}{4} \right) \right] =$$

$$1 \frac{1}{2} \div \left[-\frac{3 \times 3}{1 \times 3} + \frac{2 \times 2}{4 \times 2} \right] =$$

$$1 \frac{1}{2} \div \left[-\frac{9}{2} + \frac{1}{2} \right] =$$

$$1 \frac{1}{2} \div \left[\frac{-8}{2} \right] =$$

$$\frac{3}{2} \div \frac{-8}{2} = \frac{3}{2} \times \frac{2}{-8} = \frac{-3}{4}$$

$$(د) \quad 3 - 7 \times 4 \div 2 - 4 =$$

در تقسیم وضرب

$$3 - 28 \div 2 - 4 =$$

الویت باست

$$3 - 14 - 4 =$$

حسب است

$$3 - 20 = -17$$

$$(8) \quad w(v - (r - (a - 4))) =$$

$$w(v - (r - (-1))) =$$

$$w(v - (r + 1)) =$$

$$w(v - w) = w(r) = 1r$$

$$(9) \quad 4 - 4(w - 1 \div r \times r) + r =$$

$$4 - 4(w - 1 \div 1r \times r) + r =$$

$$4 - 4(w - \frac{1}{r} \times r) + r =$$

$$4 - 4(w - \frac{1}{\cancel{r}} \times \frac{\cancel{r}}{1}) + r =$$

$$4 - 4(w - 1) + r =$$

$$4 - 4(1) + r =$$

$$\cancel{4 - 4} + r = +r$$

$$(c) F - F \left[\omega - \underbrace{(\cancel{1} - (-1))}_{+} \div (-1) \right] =$$

$$F - F \left[\omega - (1 + 1) \div (-1) \right] =$$

$$F - F \left[\omega - \underbrace{10}_{+} \div (-1) \right] =$$

$$F - F \left[\omega + \omega \right] = F - F \left[10 \right]$$

$$= F - F_0 = -44$$