



MIXED REVIEW FOR TEKS



TAKS PRACTICE

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Lessons 2.1–2.3

MULTIPLE CHOICE

1. **ELEVATION** The table shows the recorded elevation of a diver as a function of time.

Time, t (minutes)	Elevation, e (meters)
0	0
2	-16
4	-32
7	-56
10	-80

Which equation represents the diver's elevation e (in meters) as a function of time t (in minutes)? **TEKS A.1.B**

- (A) $e = -8t$ (B) $e = \frac{8}{t}$
 (C) $e = 8t^2$ (D) $e = 8t$

2. **TEMPERATURES** The record low temperatures (in degrees Fahrenheit) for Alaska, Arkansas, Hawaii, and California are -80°F , -29°F , 12°F , and -45°F , respectively.

Which state recorded the lowest temperature? **TEKS 8.1.A**

- (F) Alaska
 (G) Arkansas
 (H) California
 (J) Hawaii



Pukeawa plant on Mauna Kea volcano in Hawaii

3. **DRY ICE** Dry ice changes directly from a solid to a gas when its temperature is about -79°C . Dry ice exists as a gas, liquid, and solid at the same time when it is at a certain pressure and its temperature increases by 22.4°C . What is the temperature (in degrees Celsius) at which this occurs? **TEKS 8.2.B**

- (A) -101.4°C (B) -57.6°C
 (C) -57.4°C (D) -56.6°C

4. **BUSINESS** In May, a store had an income of \$22,556 and expenses of \$17,491. In June, the store had an income of \$19,418 and expenses of \$24,950. What was the change in profit from May to June? **TEKS 8.2.B**

- (F) \$467 (G) \$10,597
 (H) $-\$467$ (J) $-\$10,597$

5. **MONEY** Your bank charges a \$35 fee when the balance in your checking account is negative. You have a balance of \$150 in your account. Suppose you withdraw \$165 from the account. What will the balance be after the fee is charged? **TEKS 8.2.B**

- (A) $-\$50$ (B) $-\$40$
 (C) $-\$20$ (D) \$10

6. **MIGRATION** Net migration flow is the difference of the number of people migrating to a place and the number of people migrating out of a place. The table shows the number of people who migrated into and out of a certain city during the period 2002–2005. Which year had the greatest net migration flow? **TEKS 8.1.A**

Year	Number migrating into city	Number migrating out of city
2002	3179	3623
2003	3053	3632
2004	3180	3695
2005	3174	3396

- (F) 2002 (G) 2003
 (H) 2004 (J) 2005

GRIDDED ANSWER 0 1 2 3 4 5 6 7 8 9

7. **STOCK** An investor pays \$8.64 per share of a stock. Over the next three days, the change in value of a share of the stock is $-\$.56$, then $-\$1.02$, and then $\$.94$. What is the value (in dollars) of the stock at the end of the three days? **TEKS 8.2.B**